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Flora of Richmond Co., N. Y.—Additions and New Localities,
1886-1889.

APPENDIX NO. 5.

Clematis ochroleuca, Ait. Sand dune on the borders of salt meadows, near Watchogue. A number of plants of the lobed leaved form with it. (Wm. T. Davis.)

Ranunculus septentrionalis, Poir. Clove Lake swamp. A remarkable tendency to fasciation has been found in these specimens.

Nasturtium sylvestre (L.), R. Br. Woods of Arden, near the shore. (Mrs. N. L. Britton.)

Lechea racemulosa, Lam. "Tottenville," *fide* specimens in Herb. W. H. Leggett.

Drosera intermedia, Drev. & Hayne, var. *Americana*, DC. Clove Lake swamp.

Malva sylvestris, L. New Brighton. Escaped from gardens. (Wm. T. Davis.)

Trifolium hybridum, L. New Brighton. Becoming common.

Lathyrus maritimus (L.), Bigel. New Dorp.

* *Rosa humilis*, Marshall, var. *lucida* (Ehrh.), Best. (?) "Stat. Is. west side, July 22, 1869." (W. H. Leggett.)

Cratægus coccinea, L. Tottenville. (Wm. T. Davis.)

Tiedemannia rigida (L.), Coulter & Rose, var. *longifolia* (Pursh), B. S. P. Garretsons.

Lonicera xylosteum, L. Admitted into the 4th appendix under the name *L. ciliata*, Muhl., from flowering specimens obtained from a single bush near Garretsons. The same plant has lately been found by Mr. Wm. T. Davis, at New Brighton. It appears to be thoroughly naturalized at both localities, and probably grew from seeds transported by birds.

Aster spectabilis, Ait. Mariners' Harbor.

Aster cordifolius, L., var. *glabratus*, Porter. Frequent.

Aster cordifolius, L., var. *lanceolatus*, T. C. P. Egbertville.†

* *Rosa humilis*, Marshall—and *Rosa humilis*, Marshall, var. *villosa*, Best, replace the *R. lucida*, Ehrh. of our catalogue.

(† MEM.—The *Aster*, admitted into our original catalogue under the title *A. sagittifolius*, Willd., has been determined by Prof. T. C. Porter to be a form of *A. cordifolius*, L., and the former species must therefore be omitted from the list.)

Aster Novi-Belgii, L., var. *laevigatus* (T. & G.), Gray. Ocean Terrace. Rare.

Aster Novi-Belgii, L., var. *elodes* (T. & G.), Gray. Garretsons. In swamps along salt meadows.

Solidago patula, Muhl. Mariners' Harbor.

Heliopsis helianthoides (L.), B. S. P. Kreischerville.

Helianthus grosse-serratus, Martens. ? Green Ridge.

Lactuca hirsuta, Muhl. New Dorp.

Gaultheria procumbens, L. Eltingville.

Pyrola secunda, L. Richmond.

Pycnanthemum incanum (L.), Michx. Ocean Terrace.

Lophanthus nepetoides (L.), Benth. Tottenville.

Cynoglossum officinale, L. Richmond. Rare. One plant near Concord, 1880. One plant near Richmond, 1888.

Sabbatia dodecandra (L.), B. S. P. Kreischerville. Abundant in salt meadow.

Amarantus hybridus, L. Streets of New Brighton.

Juglans cinerea, L. South shore of Staten Island. (Samuel Ackerly, in Trans. N. Y. State Agric. Soc., 1843, under name of *J. cathartica*, Michx.) Recently reported by W. T. Davis as abundant along Sandy Brook in Westfield. (See Proc. Nat. Sci. Assoc. S. I., April, 1889.)

Hicoria alba (Nutt.), Britton, var. *maxima* (Nutt.), Britton. Court House.

Quercus Phellos, L. Tottenville. (Wm. T. Davis.) A number of trees have been discovered since the original find noted in the 1st Appendix for 1879.

Quercus ilicifolia, Wang. Watchogue.

Quercus Rudkinii, Britton. Tottenville. (Wm. T. Davis.)

Quercus heterophylla, Michx. f. Tottenville. (Wm. T. Davis.)

Betula nigra, L. Very rare. Since the original find near Bulls Head, Mr. Wm. T. Davis has noted one tree near Old Place, two at Tottenville and four at Richmond—all young.

Salix candida, Willd. Garretsons.

Salix tristis, Ait. Tottenville.

Salix purpurea, L. Garretsons, Woodrow and Old Place. Probably originated from cuttings of cultivated trees thrown aside in brush heaps.

Tsuga Canadensis (L.), Carr. Old Place. One tree.

Zannichellia palustris, L. "Staten Island." (Flora of New York).

Potamogeton pauciflorus, Pursh. Woods of Arden.

Potamogeton pulcher, Tuck. Woods of Arden.

Microstylis unifolia, Michx. Egbertville. (Mrs. N. L. Britton.) (The second time that a single plant has been discovered.)

Smilax glauca, Walt. A form of this species grows abundantly on the sand near Mariners' Harbor, Tottenville and Kreischerville, which is apparently *S. spinulosa*, Smith.

Chamælirium luteum (L.), Gray. Court House. (K. B. Newell.)

Juncus Balticus, Dethard, var. *littoralis*, Engelm. New Dorp.

Juncus dichotomus, Ell. Mariners' Harbor.

Eleocharis tuberculosa (Michx.), R. Br. Mariners' Harbor.

Carex glaucoidea, Tuckerm. Fields, Court House.

Panicum latifolium, L., var. *molle*, Vasey. New Dorp.

Panicum nitidum, Lam., var. *ramulosum* (Michx.), Vasey. Frequent or occasional.

Cystopteris fragilis (L.), Sw., var. *dentata*, Hook. Near Egbertville. This was wrongly determined to be the typical form and as such was admitted into the original catalogue. A few specimens only of the type have been found, near Martling's Pond.

Onoclea sensibilis, L., var. *obtusilobata*, Torr. New Dorp. (Mrs. N. L. Britton.)

Azolla Caroliniana, Willd. Naturalized in pools in the Clove Valley.

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